

## **Exploration on Effective Classroom Establishment Strategy of Higher Vocational Colleges based on Mobile Internet**

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**Abstract:** “Education is a fundamental task crucial for generations to come”, which is highly generalized by the Communist Party of China about the essence of education in the 13th National Congress. Education plays an important role in promoting people’s development. In the socialist modernization process, higher vocational colleges are cultivating various skill-based talents for the society. Meanwhile, under the background of comprehensive penetration of society informatization level, the development of higher vocational education has also welcome a new “spring”. This paper mainly conducts analysis on the effective classroom establishment in higher vocational colleges based on mobile internet.

### **1. Characteristics of students in higher vocational colleges**

The students in higher vocational colleges are different from the undergraduate students in the aspects of knowledge level, self-management and self-cognition abilities as well as learning capability, presented as follows:

The following phenomena exist in the students in higher vocational colleges, including complexity in origin of students, large difference in their intention to further study and large difference in knowledge level, which directly cause the problems such as non-convenient management on the students in higher vocational colleges and difficulty in observing disciple of students. Therefore, the higher vocational colleges must strictly consider the special situations of different students in the management process, such as knowledge insufficiency, weak foundation and poor acceptance capability, thus to formulate the education teaching management mode beneficial for physical and mental development of the students.

Self-cognition is not completely same to some psychological aspects. The society has prejudice to higher vocational colleges and knows little about the teaching mode, therefore, the society, parents and students pay more attention to undergraduate education but feel unpromising on higher vocational education. Besides, the parents and students know nothing about speciality, which makes the students find their selected majors different from their interests, ideals and practical situations largely thus to cause psychological conflict of them.

Learning habit or method and motive are insufficient. After the students enter the higher vocational colleges, they face different learning mode and education mode, which causes them to be difficult to adapt to the transformation of learning mode, besides, the students are not interested in the teaching mode and teaching contents but accept passively and mechanically, which causes the phenomenon of low learning efficiency and weariness in learning.

### **2. Problems existed in mobile internet technology application in current higher vocational colleges**

(1) The information-based teaching environment remains to be strengthened

The information-based teaching environment is the premise and guarantee for classroom teaching, including hardware and software resources. In recent years, many higher vocational colleges have invested much money to improve the modern education technology application environment under the support of the government and college leader currently. But the author learns that many colleges still exist with some problems, for example, some equipment are aging and

needed to be updated, the teaching resource library construction remains to be improved, the teaching resource library is not classified but integrated based on two projects, which is not beneficial for the teachers and students to obtain professional information resources.

#### (2) Poor modern education technology awareness and insufficient attention

With the popularity of information technology, the country has paid more and more attention to advocating educational informationization, in order to make response to the requirements of the country and the colleges and make themselves not fall behind the era requirement, the course teachers have successively used multiple-media courseware. The author finds that many teachers are weak in mastering necessary modern education technology theories, therefore, the teachers can not design the teaching process scientifically in the courseware design process. In the courseware teaching process, the teachers only focus on course content, and teach the course fast, and even some teachers just follow the PPT courseware to teach the students, which makes the students unable to follow the teachers. Moreover, the multimedia computer is only used for presenting the text contents but can not realize information-based teaching in a real sense. Such kind of shallow usage shows

#### (3) Exaggerate the role of multimedia teaching one-sidedly

Computer integrates the functions of video, audio and graphic image, which can transform the static, rigid and abstract teaching contents into vivid, lively, interesting and visual pictures thus to attract the students' attention and enhance their understanding ability. But currently, we find that many teachers and students can just use the computer mechanically. Some teachers exaggerate the function of modern teaching media just for the purpose of making response to the requirement of educational informationization, deny or neglect the traditional teaching media one-sidedly, think any teaching contents can be presented through modern teaching media, even very simple questions, and they even use the modern teaching media for very simple questions but neglect the traditional media. However, traditional media also have advantages. As an auxiliary mode, modern teaching media should be combined with traditional media to optimize the teaching resource allocation and realize optimal teaching effect.

### **3. Specific countermeasures to improve the problems existed in motile internet technology application in higher vocational colleges**

#### **3.1 Enlarge software resource establishment**

##### **3.1.1 Multimedia resource establishment**

The higher vocational colleges are weak in teaching resource library construction, wherein, many of them have no teaching resource library, and some schools or colleges cooperate with each other to develop a project to provide reference for the students and teachers, which causes insufficient software resources. Therefore, it is necessary to strengthen teaching resource library construction. In view of the teaching resource library, the most important thing is to collect multimedia materials and multimedia courseware in order to facilitate the teachers and students to search and learn. Wherein, the material library includes numerous words, pictures, videos and audios, animation resources while the courseware resources involve some multimedia coursewares for learning, such as PPT, Flash and authorware, which can be used for the teachers and students. According to previous investigation, some teachers make coursewares by themselves while some choose to purchase. If the teachers are weak in courseware making, they will have difficulty in making strongly-interactive and exquisite teaching courseware; however, if they purchase the coursewares, the coursewares may not match with the teaching contents. Therefore, in view of teaching resource construction, the teachers and students can cooperate with each other to develop the courseware according to different specialities, or the colleges can cooperate with each other thus to develop new teaching courseware and teaching materials conforming to practical teaching situation and the development requirement of the students.

### **3.1.2 Network course construction**

Internet breaks through the limitation of time and space and allows non-relevant things to connect with each other. In view of teaching, the teachers and students can know more fresh things through the internet. Currently, the network function of higher vocational colleges is mainly used for the students to surf the internet, updating weibo, WeChat and game, while the teachers mainly use the internet to refer to materials and prepare lessons. However, the network course development brings little effect. Network course development relies on numerous human power and material resources, meanwhile, it is featured with long development period. Therefore, all involved personnel should make concerted effort and obey to unified planning of the college, besides, the various colleges should cooperate with each other positively and the subject leaders should lead the students to develop some popular and emphasized course resources according to the subject characteristics. Meanwhile, the colleges should establish related regulations and systems to guarantee smooth development of network course and avoid giving up halfway, moreover, they should provide enough capitals for the teachers to guarantee smooth implementation of network course development.

## **3.2 Establish related management, incentive and evaluation systems**

### **3.2.1 Strengthen research on modern education technology theory and its practical application**

Theory is the guidance of practice while practice is the source of theory. In the education and teaching process, according to the practical problems existed in classroom teaching, the higher vocational colleges should encourage the teachers to deepen discussion and research on modern education technology technology and practice, which will be beneficial for modern education technology usage and development and make it meet with practical demand more. The higher vocational colleges in Haihe Education Park are advantageous in the teaching staff and fund, therefore, they can organize related professionals to particularly research and discuss the problems of modern education technology in classroom teaching and practice, research new situations, summarize new theory and propose new idea thus to offer suggestions and provide basis for deep usage of modern education technology in classroom teaching of higher vocational colleges.

### **3.2.2 Strengthen the competition incentive mechanism for modern education technology application**

In the modern education technology application process, the college leaders pay less attention to it and offer no incentive scheme, as a result, the teachers have low enthusiasm and lack of external impetus to use modern education technology in the teaching process. Therefore, in order to stimulate the teachers, the modern education technology application achievements and application effect of the teachers as well as the ability development of the students can be incorporated into the teacher appraisal project, namely, connect the above-mentioned with the teacher title evaluation, performance appraisal and business ability thus to create a good environment and stimulate the teachers to apply the modern education technology in classroom teaching positively and actively.

### **3.2.3 Strengthen evaluation on modern education technology application effect in classroom teaching**

The most purpose of applying modern education technology in classroom teaching is to attract the students' attention and learning interest, enhance teaching quality and effect. Therefore, in spite of teaching idea, teaching mode or teaching method selection, the main purpose lies in teaching effect, which is also the important indicator for teaching evaluation. Teaching evaluation should be conducted from perspective of the teachers and perspective of the students. From the perspective of the teachers, it involves teaching purpose, teaching method, teaching design process, teaching media usage and teaching effect; from the perspective of the students, it involves whether the students enhance their enthusiasm and learning interest owing to modern education technology application, whether the participation degree of the students is enhanced, whether the students can learn knowledge and skills and whether the students enhance their ability. Therefore, it is necessary

to conduct classroom teaching evaluation. Based on teaching effect and students' reflection, the colleges should carry out regulation strategy and give real play to the advantages of modern education technology thus to facilitate teaching.

### **3.3 Optimize the modern education technology application means in the teaching process**

The function and orientation of modern education technologies are different, therefore, in the classroom teaching process, it is needed to combine the teaching objective, teaching task, psychological development characteristics of the students with the knowledge reserve of the students, the characteristics and performance of teaching media thus to select proper teaching means.

The modern education technology application relies on integration of multiple kinds of sense organs, which is not the result of  $1+1=2$  but  $1+1>2$ . It can stimulate the brains of the students to the largest extent and attract their attention to learning contents, which can facilitate them to remember the learnt knowledge. Therefore, in view of teaching media selection, it is needed to optimize the advantages of various media thus to make various media supplementary with each other to function maximumly. In the teaching process, teaching media selection directly affects the learning effect and enthusiasm of the students. The various teaching media supplement with each other and play maximum effectiveness to facilitate the teaching. Classroom teaching effect is commonly determined by teaching environment, teachers, students, hardware and software resources, therefore, the characteristics of various media should be considered in the teaching process, besides, the teachers should optimize resource allocation to give play to the advantages of the modern media to the largest extent; meanwhile, they should pay attention to combination of traditional education mode, traditional teaching media with modern teaching media, strengthen advantage combination of the traditional media and modern media to make them take effect in classroom teaching jointly and play maximum effectiveness.

## **4. Conclusion**

With the increasing social development level, the education and teaching reform of higher vocational colleges is imperative. The higher vocational education orientates at employment service, therefore, the development of higher vocational colleges must meet with social requirement. Currently, the social informatization level is increasing gradually, therefore, in the process of talent cultivation of higher vocational colleges, smooth implementation of classroom teaching must rely on modern mobile internet technology thus to transform the traditional "teacher-dominant" teaching mode to colorful classroom teaching mode of "reading, speaking, writing and practicing", enrich the education and teaching theory and practice, transform the traditional teaching idea and realize optimal teaching effect.

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